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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/689,707	10/22/2003	Hideo Tomita	SON-2828	4649
23353	7590	07/13/2004	EXAMINER	
RADER FISHMAN & GRAUER PLLC LION BUILDING 1233 20TH STREET N.W., SUITE 501 WASHINGTON, DC 20036			BLACKMAN, ROCHELLE ANN J	
			ART UNIT	PAPER NUMBER
			2851	

DATE MAILED: 07/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/689,707

Applicant(s)

TOMITA, HIDEO

Examiner

Rochelle Blackman

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Horvath et al., U.S. Patent No. 6,736,514.

Regarding claims 1-3, Horvath discloses an "image display apparatus"(see FIGS 1-7), comprising: "first image light generation means for generating image lights individually corresponding to a plurality of color components, which form a single first color component group"(see any one of the combination of colors of color sequence 62 that fall between cycle samples 63 or the 1/30 sec time periods in FIG. 7); and "display image light generation means for synthesizing the image lights of the individual color components generated by said first image light generation means to generate a first display image light"(see 10 of FIGS. 4a-b); "said first image light generation means setting color component values of the individual color components, which form the first color component group, so that the first display image light may be generated with a chromaticity point and a luminance equal to those of a second display image light to be

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generated by synthesizing image lights individually corresponding to color components of a second color component group whose color components in combination are different from those of the first color component group, said first image light generation means generating image lights individually corresponding to the color components, which form the first color component group, based on the set color component values”(see FIGS. 1-3 and col. 9, line 48 to col. 10, line 35); “second image light generation means for generating image lights individually corresponding to the color components, which form said second color component group”(see any other one of the combination of colors of color sequence 62 that fall between cycle samples 63 or the 1/30 sec time periods, different from the “first color component group” of color sequence 62 that falls between cycle samples 63 or the 1/30 sec time periods in FIG. 7); “said display image light generation means synthesizing the image lights of the individual color components generated by said second image light generation means to generate the single second display image light”(see 10 of FIGS. 4a-b); and “switching means for switching the image lights to be synthesized by said display image light generation means at a required timing between the image lights generated by said first image light generation means and the image lights generated by said second image light generation means; wherein said switching means performs the switching at the required timing so that a variation according to a predetermined form is provided to a portion of the image formed with the first display image light”(see FIGS. 5a-c and 7 and col. 14, lines 40-65).

Regarding claims 4-6, Horvath discloses an "image display method"(see function of elements in FIGS. 1-7), comprising: a "first image light generation step of generating image lights individually corresponding to a plurality of color components, which form a first color component group"(see any one of the combination of colors formed in the color sequence 62 that fall between cycle samples 63 or the 1/30 sec time periods in FIG. 7); and a "display image light generation step of synthesizing the image lights of the individual color components generated by the first image light generation step to generate a single first display image light"(see function of 10 in FIGS. 4a-b); the "first image light generation step setting color component values of the individual color components, which form the first color component group, so that the first display image light may be generated with a chromaticity point and a luminance equal to those of a second display image light to be generated by synthesizing image lights individually corresponding to color components of a second color component group whose color components in combination are different from those of the first color component group, the first image light generation step generating image lights individually corresponding to the color components, which form the first color component group, based on the set color component values"(see FIGS. 1-3 and col. 9, line 48 to col. 10, line 35); a "second image light generation step generating image lights individually corresponding to the color components, which form the second color component group; the display image light generation step synthesizing the image lights of the individual color components generated by the second image light generation step to generate the single second display image light"(see any other one of the combination of colors formed in the color

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sequence 62 that fall between cycle samples 63 or the 1/30 sec time periods, different from the "first color component group" formed in color sequence 62 that falls between cycle samples 63 or the 1/30 sec time periods in FIG. 7); and a "switching step of switching the image lights to be synthesized by the-display image light generation step at a required timing between the image lights generated by the first image light generation step and the image lights generated by the second image light generation step; wherein the switching step performs the switching at the required timing so that a variation according to a predetermined form is provided to a portion of the image formed with the first display image light"(see FIGS. 5a-c and 7 and col. 14, lines 40-65).

Regarding claim 7, Horvath discloses an "image display apparatus"(see FIGS. 1-7), comprising: "first image light generator for generating image lights individually corresponding to a plurality of color components, which form a single first color component group"(see any one of the combination of colors of color sequence 62 that fall between cycle samples 63 or the 1/30 sec time periods in FIG. 7); and "display image light generator for synthesizing the image lights of the individual color components generated by said first image light generator to generate a first display image light"(see 10 of FIGS. 4a-b); "said first image light generator setting color component values of the individual color components, which form the first color component group, so that the first display image light may be generated with a chromaticity point and a luminance equal to those of a second display image light to be generated by synthesizing image lights individually corresponding to color components of a second color component group whose color components in combination are

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different from those of the first color component group, said first image light generator generating image lights individually corresponding to the color components, which form the first color component group, based on the set color component values"(see FIGS. 5a-c and 7 and col. 14, lines 40-65, and the "second color component group" is considered to be any combination of colors different from the "first color component group" of color sequence 62 that fall between cycle samples 63 or the 1/30 sec time periods in FIG. 7).

Conclusion

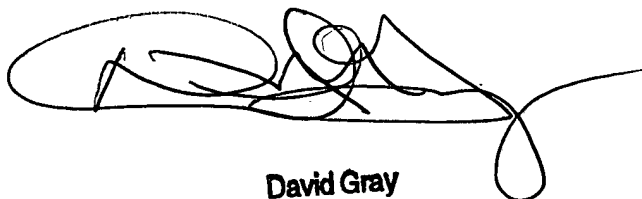
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rochelle Blackman whose telephone number is (571) 272-2113. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on (571) 272-2180. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RB



David Gray
Primary Examiner